

ThSiSU

Utah Digital Health Commission

March 7, 2019

ThSiSU: The Shared Identity Services for Utah

To improve healthcare, the legislature has authorized the Utah Department of Health to facilitate electronic identification of persons across healthcare

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ThSiSU is a volunteer committee of public and private stakeholders

- to define and develop identity services/utilities
- and to encourage adoption of identity services for data integrity, patient privacy and efficiency

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The principal identity services include

- The secure and private correlation of personal identifiers (Master Patient Indices)
- The timely electronic exchange of information to the appropriate location (Provider Directories)

Healthcare reform requires data exchange

- Patients seek care across organizational boundaries
- Communication gaps exist among care teams
- Quality improvement and cost reduction require *Community Care Coordination* enabled by seamless data sharing and interoperability

Workflow automation: the key to success

- Delivers complete, accurate and timely data in front of clinicians across organizational boundaries
- Provides scalable, secured and standards-based document exchange for patient data
- Automates Electronic Medical Record to Electronic Medical Record integration without manual interruption
- Establishes an ecosystem for notification of clinical events

Shared utilities yield efficiency for data exchange

- Stakeholders can share the costs of infrastructure for automation and data integrity without building redundant systems
- All the healthcare community is raised if the solution is cooperative
- Investments in cooperation jumpstart healthcare innovation and reform

History and background

- Healthcare reform shifts to longitudinal, patient-centered care
- ARRA has funded incentives to use electronic health records
- CMS funding establishes priorities for inter-organizational data
- Utah designates UHIN as the independent exchange hub
- ThSiSU is building out the essential shared services
- Grants are used to build out infrastructure for specific use cases
- CMS 90/10 funding is the leading funding source through 2021

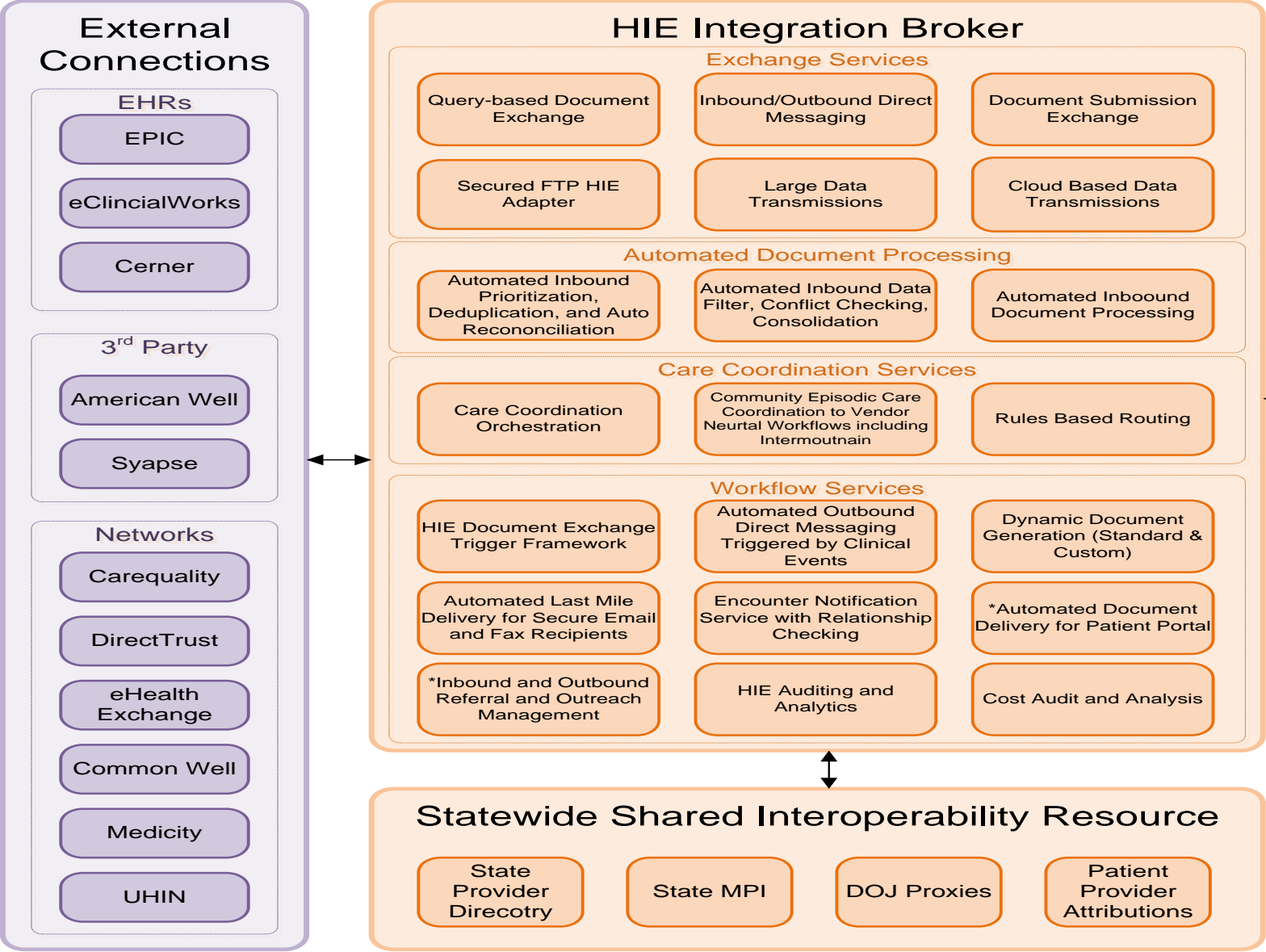
Roles of participating organizations

- Standards for national open network participation, patient privacy and data security
 - *Carequality*
 - *Digital Bridge*
 - *Healthcare Services Platform Collaborative*
- Use case prioritization and correlated identification
 - *Utah Department of Health*
 - *Utah Public Health Laboratory*
 - *Utah Department of Human Services*
 - *Centers for Medicaid and Medicare Services*
- Technical infrastructure and clinical data sources
 - *University of Utah*
 - *Intermountain Healthcare*
 - *UHN and its 85-plus clinical data providers*
 - *Utah Department of Health*
- Grant funding for infrastructure
 - *AHRQ*
 - *Centers for Medicaid and Medicare Services*
 - *Provider organizations*

Foundational identity services/utilities

- Patient Identity correlations and proofing for healthcare
- Provider connectivity and receiving preference directory
- Care Teams relationship management for patients to providers
- Patient proxy handling
- Message orchestration for case management

Detailed Components



State Innovation Model Priorities	Foundational Identity Service/Utilities				
	Patient identity proofing and verification	Provider electronic receiving specifics	Care teams	Patient proxy	Case orchestration
Electronic Birth Certificate	ü			ü	
Screening orders, tracking, results	ü	ü	ü	ü	ü
Pediatrician and community care	ü	ü	ü	ü	ü
POLST	ü	ü	ü	ü	ü
Advance Directives	ü	ü	ü	ü	ü
Emergency Medical Services	ü				ü
Poison Control case coordination	ü	ü	ü	ü	ü
Skilled Nursing Facility transitions	ü	ü			ü
Value-based Care case coordination		ü	ü		ü
Out of network continuity of care	ü	ü	ü		ü
Behavioral Health Care Coordination	ü	ü	ü	ü	ü
Insurance Eligibility	ü	ü		ü	
Clinical attachments for claims	ü				ü
Research	ü	ü	ü		
Public Health Reporting					
Syndromic Surveillance	ü	ü		ü	
Disease Reporting	ü	ü		ü	
Immunization Information Systems	ü	ü		ü	
Death Registry Coordination	ü	ü		ü	ü
Patient Portal Integration (cHIE)	ü	ü		ü	ü

Roadmap of key infrastructure use cases

